A METHOD FOR CHANGING A TARGET ARRAY, A METHOD FOR ANAYLZING A STRUCTURE, AND AN APPARATUS, A STORAGE MEDIUM AND A TRANSMISSION MEDIUM THEREFOR

ABSTRACT OF THE DISCLOSURE

The objective of the present invention is the efficient analyzation of the structure of an array.

By performing the prev(S) calculation for a character string S, if in the character string S a like variable is present upstream of a second variable, the second variable is changed to a numerical value that indicates the distance to the upstream like variable. But if in the character string S a like variable is not present upstream of a variable, that variable is changed to "0" to obtain a character string S1. Further, by performing the compl(S) calculation for the a character string S, if in the character string S a complementary variable is present upstream of a second variable, the second variable is changed to a numerical value that indicates the distance to the complementary variable. But if in the character string S a complementary variable is not present upstream of a variable, that variable is changed to "0" to obtain a character string S2 (102). A single suffix tree (structure suffix tree) is generated by regarding the character strings S1 and S2 as a pair of corresponding character strings (104 to 114), and the obtained structure suffix tree is employed to analyze the structure of the array that is represented by the character string S.